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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/716,195	11/17/2000	Virgil Wilkins	5127P001	6178
24998	7590 12/16/2003		EXAMINER	
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP			HUYNH, KIM NGOC	
2101 L STREET NW WASHINGTON, DC 20037-1526		ART UNIT	PAPER NUMBER	
		•	2182	13
		DATE MAILED: 12/16/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

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.,,,	Application No	Applicant(s)			
	09/716,195	WILKINS ET AL.			
Office Action Summary	Examiner	Art Unit			
	Kim Huynh	2182			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may a reply be tin by within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. (D) (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on 8/8/0	<u>03</u> .				
2a) ☐ This action is FINAL. 2b) ☑ This	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) Claim(s) 1-12, 14-21 and 28-50 is/are pending 4a) Of the above claim(s) 3-12,14-21 and 28-5 5) Claim(s) is/are allowed. 6) Claim(s) 1 and 2 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 	<u>60</u> is/are withdrawn from considera	ation.			
Application Papers					
 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposite and accomposite accomposite and accomposite and accomposite accomposite and accomposite and accomposite and accomposite accomposite accomposite accomposite and accomposite accompos	cepted or b) objected to by the drawing(s) be held in abeyance. Settion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. §§ 119 and 120					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domest since a specific reference was included in the firm 37 CFR 1.78. a) The translation of the foreign language pro 14) Acknowledgment is made of a claim for domesti reference was included in the first sentence of the content of the content of the first sentence of the c	its have been received. Its have been received in Applicationity documents have been received in (PCT Rule 17.2(a)). If the certified copies not received ic priority under 35 U.S.C. § 119(a) st sentence of the specification of the priority under 35 U.S.C. §§ 120	ion No ed in this National Stage ed. e) (to a provisional application) r in an Application Data Sheet. eeived. and/or 121 since a specific			
Attachment(s) Notice of References Cited (PTO-892)	A) Interview Summary	(PTO-413) Paper No(s)			
Notice of References Circu (FTO-092) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 1	5) Notice of Informal P	eatent Application (PTO-152)			

Application/Control Number: 09/716,195

Art Unit: 2182

DETAILED ACTION

Election/Restrictions

1. Claims 3-12, 14-21 and 28-50 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 9.

Please note that applicant indicates the elections of species 4, Fig. 6, claims 1, 6, 36, 39, 40-41, 43 and 47. However, claims 6, 36, 39, 40, 41, 43, and 47 cover various different species and do not seem to properly directed to the disk mapping controller of species 4, Fig. 6 as indicated.

A telephone interview with Mr. Stephen A. Soffen on December 8, 2003, the examiner indicated that the election of Species 1, claims 1-2 indicated in paper number 9 was overlooked and the current election of claims 1, 6, 36, 39, 40-41, 43 and 47 is not proper as discussed above. As a result, it was agreed that claims 1-2, directed to I/O controller with mapping controller originally elected in paper number 9, would be considered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

Application/Control Number: 09/716,195

Art Unit: 2182

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 1-2 are rejected under 35 U.S.C. 102(e) as being anticipated by Asnaashari (US 6,076,137).

Asnaashari discloses an integrated I/O controller integrated into a single IC device (col. 5, II. 24-26) having a host interface subsystem 14, a controller device 20 for mapping the logical block address (LBA) into the block addresses (PBA) of one or more peripheral devices 0-M (col. 2, II. 38-44 and col. 7, II. 14-17) and a peripheral interface device 24 coupled to the peripheral devices.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Day et al. (US 6,065,096) in view of Bolt (US 6,467,014).

Day discloses an integrated I/O controller 100 integrated into a single IC device having a host interface subsystem 124, a controller device 121 for mapping the LBA into the block addresses of one or more peripheral devices 108 and a peripheral interface device 130 coupled to the peripheral devices. Day discloses the function of the

Application/Control Number: 09/716,195

Art Unit: 2182

controller 100 is to maps requests from hosts to the appropriate disk drives, however,

Day does not explicitly discloses the mapping of the logical block address (LBA) into the block addresses of one or more peripheral devices.

Bolt discloses that it is conventional that each LBA referred to by the host computer must be mapped to the block address (STSA) of the peripheral devices in order to accommodate easy identification and retrieval (col. 1, II. 11-27, 63-66 and col. 2, II. 42-65). It would have been obvious to one having ordinary skill in the art to implement the teaching of mapping LBA into the block addresses (PBA) of one or more peripheral devices in order to accommodate easy identification and retrieval as taught by Bolt.

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Assar et al.(US 5,485,595) discloses mapping technique for mapping LBA into the block addresses (PBA) of one or more flash memory.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim Huynh whose telephone number is (703) 308-1678.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Kim Huynh

Primary Examiner Art Unit 2182

ΚH

December 9, 2003